MATH 219 Suggested Problems, Fall 2020

Based on the textbook, *Elementary Differential Equations and Boundary Value Problems*, Boyce and DiPrima, 9th ed., 2010. List will be updated as time progresses.

Week		Problems
Week 1: Oct.12-16	1	**§1.1:** 4, 10, 15-20 **§1.3:** 3, 4, 11, 18, 26 **§2.2:** 4, 6, 17, 23, 32, 36
	2	**§2.1:** 2, 5, 10, 14, 21, 28, 30, 32, 33, 36
Week 2: Oct.19-23	3	**§2.3:** 4, 5, 6, 8, 12, 14, 18, 21, 23, 26, 29
	4	**§2.4:** 1, 3, 5, 6, 8, 10, 12, 14, 16, 23, 27, 30
Week 3: Oct.26-30	5	**§2.6:** 3, 5, 9, 10, 13, 18, 21, 24, 30, 32
	6	**§7.1:** 19, 23 **§7.2:** 1, 2, 9, 11, 16, 21, 24, 25
Week 4: Nov.2-6	7,8	**§7.3:** 3, 4, 8, 14,15, 18, 22, 25, 26 ,32
Week 5: Nov.9-13	9	**§7.4:** 3, 7 **§7.5:** 9, 10, 14, 17, 31
	10	**§7.6:** 2a, 6a, 9, 14, 26
Week 6: Nov.16-20	11	**§7.7:** 3, 8, 10, 11 **§7.8:** 2c, 3c, 6, 9a, 17, 18, 19
	12	**§7.9:** 2, 5, 7, 10, 11, 13
Week 7: Nov.23-27	13	**§4.1:** 2, 4, 6, 9, 10, 13, 15
	14	**§4.2:** 14, 16, 17, 20, 22, 31, 32, 36, 37
Week 8: Nov.30-Dec.4	15	**§4.3:** 2, 7, 8, 11, 12, 14, 17, 18, 21
	16	**§4.4:**3, 4, 5, 8, 11, 16
Week 9: Dec.7-11	17	**§3.7:** 3, 7, 12, 18, 26, 27 **§3.8:** 4, 6, 10, 11, 15, 17
	18	**§5.1:** 4, 7, 13, 16, 21, 26 **§5.2:** 1, 4, 8, 12, 20, 21 **§5.3:** 2, 7, 10, 12, 22, 23
Week 10: Dec.14-18	19	**§5.4:** 7, 10, 16, 20, 26, 37
	20	**§5.5:** 4, 10, 11, 12, 13
Week 11: Dec.21-25	21	**§6.1:** 1, 2, 10, 17, 23, 26, 27
	22	**§6.2:** 1, 4, 7, 9, 12, 16, 17 **§6.3:** 1, 3, 8, 10, 14, 20, 23, 38
Week 12: Dec.28-Jan.1	23	**§6.4:** 1, 3, 5, 10, 13, 16
	24	**§6.5:** 3, 7, 10, 15, 19 **§6.6:** 2, 4, 10, 11, 17, 20, 21, 22
Week 13: Jan.4-8	25	**§10.1:** 1, 2, 5, 6, 11, 13, 14, 15, 16, 20
Week 14: Jan.11-15	26	**§10.2:** 1, 2, 4, 8, 9, 10, 17, 18, 21, 22, 27, 28 **§10.3:** 1, 3, 5, 6
	27	**§10.4:** 7, 8, 11, 12, 17, 18, 19, 24, 26 **§10.5:** 1, 3, 4, 5, 7, 8, 11, 14, 18, 21, 22